

What is claimed:

1. A fin system having at least one louver set used to enhance the transfer of heat from a first medium to a second medium, said louver set comprising:

5 at least two blocks of louvers, each block having a first breaking louver, one or more main louvers and a reversal louver and between the central reversal louvers is a flat area,

10 wherein the length of said first breaking louver and the length of the reversal louver are substantially wider than half of the length of the main louvers as measured across flat areas of the first breaking louver, the reversal louver and the main louver, and wherein first angles of orientation of at least one of the breaking louver and the reversal louver are lower than a second angle of orientation of the main louvers when measured relative to a fin face from which the louvers protrude.

15 2. The fin system as recited in Claim 1, wherein the breaking louver has an angle of orientation relative to the main fin face such that the factor of ratio of reduction of free air passage is between 0.51 and 0.96.

20 3. The fin system as recited in Claim 2, wherein the factor of ratio of reduction of free air passage is between 0.55 and 0.75.

4. The fin system as recited in Claim 1, wherein the reversal louver has an angle of orientation relative to the main fin face such that the factor of ratio of reduction of free air passage is between 0.51 and 0.96.

5 5. The fin system as recited in Claim 1, wherein the factor of ratio of reduction of free air passage is between 0.55 and 0.75.

6. The fin system as recited in Claim 1, wherein at least one of said two blocks of louvers contains a breaking louver and a reversal louver both having substantially the  
10 same angle relative to the fin face.

7. The fin system as recited in Claim 1, wherein at least one of said two blocks of louvers contains a breaking louver and a reversal louver both having substantially the  
15 same length as the main louvers.